L Number	Hits	Search Text	DB	Time stamp
1	3	(computerized adj (filesystem or (file adj system)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/20 09:55
2	0	((computerized adj (filesystem or (file adj system)))) and client and server	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/20 09:55
3	2735	(filesystem or (file adj system)).ti.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/20 09:55
4	7	((filesystem or (file adj system)).ti.) and client/server and client and server and tokens!	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/20 09:57
5	4	(((filesystem or (file adj system)).ti.) and client/server and client and server and tokens!) and grant$3 and revok$5 and request$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/20 09:57

L Number	Hits	Search Text	DB	Time stamp
1	1824	client/server and network and token	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/20 08:38
2	46	(client/server and network and token) and network same (bandwidth and congestion and ((file adj system) or filesystem))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/20 07:50
3	6	(client/server and network and token) and (bandwidth and congestion and (((file adj system) or filesystem)) same network) and ((client and server) adj2 (computer or node or workstation or terminal))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/20 07:54
4	145	(client/server and network and token) and (((file adj system) or filesystem) same network) and ((client and server) adj2 (computer or node or workstation or terminal))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/20 08:39
5	55	((client/server and network and token) and (((file adj system) or filesystem) same network) and ((client and server) adj2 (computer or node or workstation or terminal))) and tokens! same client	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/20 08:18
6	7	(((client/server and network and token) and (((file adj system) or filesystem) same network) and ((client and server) adj2 (computer or node or workstation or terminal))) and tokens! same client) and token same (grant$3 and (memory or cach$3))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/20 08:40
7	26	(((client/server and network and token) and (((file adj system) or filesystem) same network) and ((client and server) adj2 (computer or node or workstation or terminal))) and tokens! same client) and token same (memory or cach$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/20 08:35
8	2632	(client/server or (client and server)) and network and tokens!	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/20 08:39
9	61	((client/server or (client and server)) and network and tokens!) and (((file adj system) or filesystem) near network) and ((client and server) adj2 (computer or node or workstation or terminal))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/20 08:39
10	12	(((client/server or (client and server)) and network and tokens!) and (((file adj system) or filesystem) near network) and ((client and server) adj2 (computer or node or workstation or terminal))) and token same (grant$3 and (memory or cach$3))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/20 08:45
11	9	(((client/server or (client and server)) and network and tokens!) and (((file adj system) or filesystem) near network) and ((client and server) adj2 (computer or node or workstation or terminal))) and token with (memory or cach$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/20 08:47
12	9	(((client/server or (client and server)) and network and tokens!) and (((file adj system) or filesystem) near network) and ((client and server) adj2 (computer or node or workstation or terminal))) and tokens near9 (memory or cach$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/20 08:47
13	8	(((client/server or (client and server)) and network and tokens!) and (((file adj system) or filesystem) near network) and ((client and server) adj2 (computer or node or workstation or terminal))) and tokens! near9 (memory or cach$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/20 08:47

14	45	((client/server or (client and server)) and network and tokens!) and token near5 (grant$3 and (memory or cach$3))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/20 09:00
15	34	(((client/server or (client and server)) and network and tokens!) and token near5 (grant$3 and (memory or cach$3))) and revok$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/20 09:01
16	34	(((client/server or (client and server)) and network and tokens!) and token near5 (grant$3 and (memory or cach$3))) and (revok$3 and request$3) same token	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/20 09:01
17	34	(((client/server or (client and server)) and network and tokens!) and token near5 (grant$3 and (memory or cach$3))) and (revok$3 and request$3 and grant$3) with token	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/20 09:01
18	30	(((client/server or (client and server)) and network and tokens!) and token near5 (grant$3 and (memory or cach$3))) and (revok$3 and request$3 and grant$3) near3 token	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/20 09:01

Terms used **network file system** and **client** and **server** and **tokens** and **grant** and **revoke** and **request**

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1 A coherent distributed file cache with directory write-behind

Timothy Mann, Andrew Birrell, Andy Hisgen, Charles Jerian, Garret Swart

May 1994 **ACM Transactions on Computer Systems (TOCS)**, Volume 12 Issue 2

Full text available: pdf(3.21 MB) Additional Information: full citation, abstract, references, citings, index terms, review

Extensive caching is a key feature of the Echo distributed file system. Echo client machines maintain coherent caches of file and directory data and properties, with write-behind (delayed write-back) of all cached information. Echo specifies ordering constraints on this write-behind, enabling applications to store and maintain consistent data structures in the file system even when crashes or network faults prevent some writes from being completed. In this paper we describe ...

Keywords: coherence, file caching, write-behind

2 Transactional client-server cache consistency: alternatives and performance

Michael J. Franklin, Michael J. Carey, Miron Livny

September 1997 **ACM Transactions on Database Systems (TODS)**, Volume 22 Issue 3

Full text available: pdf(452.41 KB) Additional Information: full citation, abstract, references, citings, index terms, review

Client-server database systems based on a data shipping model can exploit client memory resources by caching copies of data items across transaction boundaries. Caching reduces the need to obtain data from servers or other sites on the network. In order to ensure that such caching does not result in the violation of transaction semantics, a transactional cache consistency maintenance algorithm is required. Many such algorithms have been proposed in the literature and, as all provide the sam ...

3 Distributed file systems: concepts and examples

Eliezer Levy, Abraham Silberschatz

December 1990 **ACM Computing Surveys (CSUR)**, Volume 22 Issue 4

Full text available: pdf(5.33 MB) Additional Information: full citation, abstract, references, citings, index terms, review

The purpose of a distributed file system (DFS) is to allow users of physically distributed computers to share data and storage resources by using a common file system. A typical